

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING

ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/526,533
Source: PCT
Date Processed by STIC: 03/09/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/526,533

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
 Wrapped Aminos was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
 prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers;
 Numbering use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please**
 ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules,**
 each n or Xaa can only represent a single residue. Please present the **maximum** number of each
 residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
 "bug" sequences(s) . Normally, PatentIn would automatically generate this section from the
 previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
 the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for**
 Artificial or Unknown sequences.

- 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 (NEW RULES) <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213> Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
 is Artificial Sequence. (see item 11 below)

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use
 of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown."
 Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as
 explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of
 Sequence Rules

- 12 PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
 "bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
 listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



PCT

RAW SEQUENCE LISTING

DATE: 03/09/2006

PATENT APPLICATION: US/10/526,533

TIME: 12:29:16

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\03092006\J526533.raw

3 <110> APPLICANT: BEN-SASSON, Shmuel
 4 REUVENI, Hadas
 6 <120> TITLE OF INVENTION: SHORT PEPTIDES FROM THE '2ND LOOP' OF 7 TRANSMEMBRANE
 RECEPTOR
 7 WHICH SELECTIVELY MODULATE SIGNAL TRANSDUCTION
 9 <130> FILE REFERENCE: BEN-SASSON13A PCT
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/526,533
 C--> 11 <141> CURRENT FILING DATE: 2005-03-03
 11 <150> PRIOR APPLICATION NUMBER: 60/407,290
 12 <151> PRIOR FILING DATE: 2002-09-03
 14 <160> NUMBER OF SEQ ID NOS: 13
 16 <170> SOFTWARE: PatentIn version 3.3
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 9
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Artificial
 23 <220> FEATURE:
 24 <223> OTHER INFORMATION: synthetic
 26 <400> SEQUENCE: 1
 28 Met Arg Pro Tyr Asp Ala Asn Lys Arg
 29 1 5
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 9
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Artificial
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: synthetic
 40 <400> SEQUENCE: 2
 42 Arg Lys Asn Ala Asp Tyr Pro Arg Met
 43 1 5
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 19
 48 <212> TYPE: PRT
 49 <213> ORGANISM: EDG3
 51 <400> SEQUENCE: 3
 53 Glu Arg His Leu Thr Met Ile Lys Met Arg Pro Tyr Asp Ala Asn Lys
 54 1 5 10 15
 57 Arg His Arg
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 9
 63 <212> TYPE: PRT
 64 <213> ORGANISM: R002L103
 66 <400> SEQUENCE: 4
 68 Met Arg Pro Tyr Asp Ala Asn Lys Arg

Does Not Comply
Corrected Diskette Needed

Invalid Response. 22137 Responses
can be either Artificial, Unknown
or Genus Species. Pls see
Item #10 on
Error Summary
Sheet.

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69 1 5
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 6
74 <212> TYPE: PRT
75 <213> ORGANISM: R002L106
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)..(1)
81 <223> OTHER INFORMATION: Xaa is Nle
83 <400> SEQUENCE: 5
W--> 85 Xaa Arg Pro Tyr Asn Ala
86 1 5
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 20
91 <212> TYPE: PRT
92 <213> ORGANISM: Lop 2 b3-Adr
94 <400> SEQUENCE: 6
96 Asp Arg Tyr Leu Ala Val Thr Asn Pro Leu Arg Tyr Gly Ala Leu Val
97 1 5 10 15
100 Thr Lys Arg Cys
101 20
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 11
106 <212> TYPE: PRT
107 <213> ORGANISM: R013L101
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature
112 <222> LOCATION: (1)..(1)
113 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
115 <400> SEQUENCE: 7
117 Gly Asn Pro Leu Arg Tyr Gly Ala Leu Val Thr
118 1 5 10
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 10
123 <212> TYPE: PRT
124 <213> ORGANISM: R013L102
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (1)..(1)
130 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
132 <400> SEQUENCE: 8
134 Gly Leu Arg Tyr Gly Ala Leu Val Thr Lys
135 1 5 10
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 10
140 <212> TYPE: PRT
141 <213> ORGANISM: R013L103
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature

Same Error

RAW SEQUENCE LISTING

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Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\03092006\J526533.raw

146 <222> LOCATION: (1)..(1)
147 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
149 <400> SEQUENCE: 9
151 Gly Pro Leu Arg Tyr Gly Ala Leu Val Thr
152 1 5 10
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 9
157 <212> TYPE: PRT
158 <213> ORGANISM: R001L115
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: (1)..(1)
164 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
166 <400> SEQUENCE: 10
168 Gly Leu Arg Tyr His Ser Ile Val Thr
169 1 5
172 <210> SEQ ID NO: 11
173 <211> LENGTH: 10
174 <212> TYPE: PRT
175 <213> ORGANISM: R001L116
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (1)..(1)
181 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
183 <400> SEQUENCE: 11
185 Gly Leu Arg Tyr His Ser Ile Val Lys Thr
186 1 5 10
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 7
191 <212> TYPE: PRT
192 <213> ORGANISM: K024H107
195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <222> LOCATION: (1)..(1)
198 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
200 <400> SEQUENCE: 12
202 Gly Leu Leu Arg Arg His Ser
203 1 5
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 9
208 <212> TYPE: PRT
209 <213> ORGANISM: K024H124
211 <400> SEQUENCE: 13
213 Leu Gly Leu Leu Arg Arg His Ser Ile
214 1 5

Same Error

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/09/2006
PATENT APPLICATION: US/10/526,533 TIME: 12:29:17

Input Set : A:\sequence listing.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 1

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/526,533

DATE: 03/09/2006

TIME: 12:29:17

Input Set : A:\sequence listing.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0